



FakeNews

March 12, 2018

Scrumbags

Noah Brown (Product Owner)

Benjamin Swanson (Scrum Master)

Naylan Adre

Jack Bauman

William Howley



FakeNews

Societal uproar about fake news:
Our objective is to present people with
an aggregated collection of news to get a
broader view of the news they consume

HIGH LEVEL GOALS

1. Natural Language Processing that analyzes sentences
 2. Compare various articles and find overlapping and non overlapped facts/claims
 3. Categorize articles into similar sections
 4. Web scraper to get most articles from various source URLs
 5. Desktop app with GUI
 6. Articles presented cleanly to user
-

FakeNews

- Sprint 1
 - As a reader, I want my news to be confirmed by several sources to weed out false news. (4)
 - As a reader, I want to know what statements are contested so that I can investigate contested claims on my own. (1 & 2)
 - As a reader, I need news that is not biased so that I can make my own opinions. (1 & 2)

FakeNews

- **Sprint 2**
 - **As a reader I need an easily navigable way to read the news. (3 & 5)**
 - **As a reader, I need the most important stories to show up first so that I can get a quick overview of current news. (3 & 5)**
 - **As a reader, I want related articles to be picked out automatically so that I don't need to find them. (3 & 5)**

FakeNews

- Sprint 3
 - As a reader, I need a mobile or web-based app so that I can read news away from my home computer. (6)

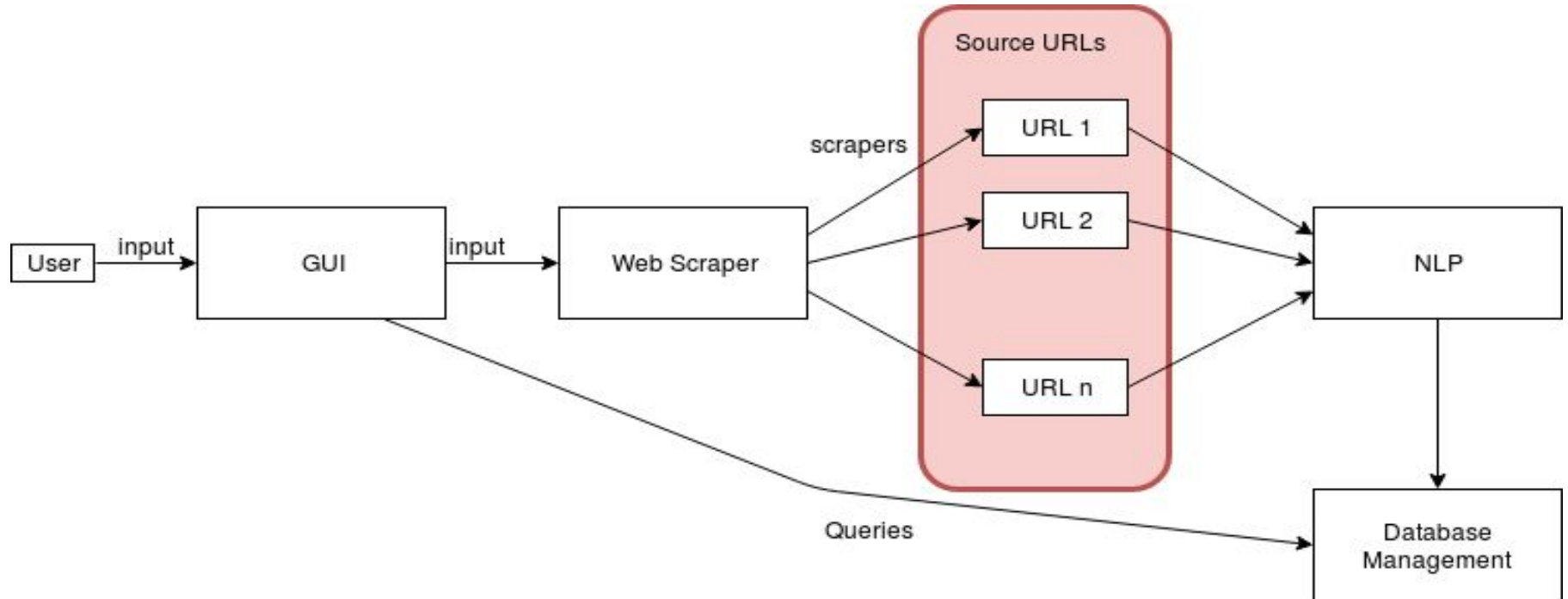
FakeNews

PRODUCT BACKLOG

- As an advertiser, I want to know data about readers so that I can effectively advertise to them (*should have website).
- As a reader, I want to view photos and videos so that I can get an accurate picture of the events happening.

FakeNews

Architecture



FakeNews

Challenges and Risks

- Web scraping recursively. Using and getting to know ScraPy.
- Natural Language Processing and incorporating the prebuilt tools provided by TextBlob libraries.
- Creating a good looking graphic user interface

FakeNews

Technologies

- Python
- React (WebApp)
- MySQL (Database Management)